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LIST OF COLLECTING STATIONS.

BY

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*(Keeper of Zoology, British Museum)*

AND

D. G. LILLIE, M.A.

*(St. John's College, Cambridge; Member of the Expedition).*

WITH FOUR MAPS.



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Division of Mollusks  
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## INTRODUCTION.

THE greater number of the localities referred to in the following list are places where specimens were collected by the party on board the "Terra Nova"; a large proportion of them being Plankton-stations. To these localities have been added a certain number of places where specimens were obtained by members of the Shore Party, particularly by Surgeon E. L. Atkinson, R.N., and Mr. E. W. Nelson. The list has been verified by Commander H. L. L. Pennell, R.N., who was in charge of the log of the "Terra Nova."

In sorting the collection a system of numbering was adopted which has not proved suitable for more permanent use. These "provisional station-numbers" are indicated in the third column of the list, but the numbers in the second column, corresponding with the maps, are those which should alone be used in recording results and in labelling the specimens.

The Plankton-nets are described according to the number of meshes to one linear inch. The "Full speed" net had 180 meshes to the inch. "Bucket" indicates that the specimens were caught by means of a bucket lowered over the ship's side.

The meaning of a nautical method of indicating the position which has been used in certain cases may not be clear without a word of explanation. Station 80, for instance, is given as "From Summit, Gt. King, N.  $87^{\circ}$  W., 11 miles." This indicates a point 11 miles from Summit, Gt. King, in a direction  $87^{\circ}$  from the *North*, on its Western side; and is in fact almost due West. Similarly, Station 82, which is recorded as "S.  $40^{\circ}$  E., 29 miles," indicates a point 29 miles from the same place along a line  $40^{\circ}$  from the *South*, on its Eastern side, and is thus not very far from South-East. The bearings are all true.

## LIST OF COLLECTING STATIONS

Map 1.

**Map 1.**  
**(Plate I.)**  
**1910.**

| Date.   | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.                                  | Depth.      | Net.       | Time.            | Nature of Catch.                        |
|---------|---|--------------------------------|--|-------------|------------|------------------|---|
| June 17 | 1   | 1                              | 48° 21' N., 9° 58' W.                      | Surface     | Bucket     | 6.30 p.m.        | Plankton                                |
| " 18    | 2   | 2                              | 46° 21' N., 11° 45' W.                     | "           | Full speed | 5.30-6.30 p.m.   | "                                       |
| " 19    | 3   | 3                              | 43° 54' N., 12° 48' W.                     | "           | "          | 3-3.30 p.m.      | "                                       |
| " 20    | 4   | 4                              | 41° 20' N., 13° 45' W.                     | "           | "          | 6.30-6.45 p.m.   | "                                       |
| " 21    | 5   | 5                              | 38° 37' N., 14° 42' W.                     | "           | "          | 12.30-1.45 p.m.  | "                                       |
| " 22    | 6   | 6                              | 35° 47' N., 15° 31' W.                     | "           | "          | 11.45-Noon       | "                                       |
| " 23    | 7   | 7                              | Flora light, Madeira,<br>N. 60° E. 7 miles | "           | "          | 3.15-3.45 p.m.   | "                                       |
| " 25    | 8   | 8                              | Man-o'-War's Anchorage<br>Funchal, Madeira | 0-25 metres | Apstein    | 1 p.m.           | "                                       |
| " 25    | 9   | 9                              | Do.  | "           | Nansen     | "                | "                                       |
| " 26    | 10  | 10                             | 32° 23' N., 17° 5' W.                      | Surface     | Full speed | 12.45-1 p.m.     | "                                       |
| " 27    | 11  | 11                             | 30° 21' N., 18° 14' W.                     | "           | "          | 12.30-12.45 p.m. | "                                       |
| " 27    | 12  | 12                             | " "  | "           | "          | 3.45-4.15 p.m.   | "                                       |
| " 28    | 13  | 13                             | 28° 13' N., 19° 40' W.                     | "           | "          | 11.40-Noon       | "                                       |
| " 29    | 14  | 14                             | 27° 10' N., 20° 21' W.                     | "           | "          | 12.25-12.45 p.m. | "                                       |
| " 29    | 15  | 15                             | " "  | "           | 50-mesh    | 10.40-10.50 a.m. | "                                       |
| " 30    | 16  | 16                             | 26° 17' N., 20° 54' W.                     | "           | "          | 6.40-7.0 a.m.    | "                                       |
| " 30    | 17  | 17                             | " "  | 10 metres   | "          | 7.30-7.50 a.m.   | "                                       |
| July 1  | 18  | 18                             | 25° 18' N., 21° 32' W.                     | Surface     | Full speed | 4.30-4.40 a.m.   | "                                       |
| " 1     | 19  | 19                             | " "  | "           | "          | 11.40-Noon       | "                                       |
| " 1     | 20  | —                              | " "  | "           | —          | —                | Flying fish with<br>parasites           |
| " 2     | 21  | 20                             | 24° 08' N., 22° 13' W.                     | "           | Full speed | 12.15-12.40 p.m. | Plankton                                |
| " 2     | 22  | —                              | " "  | "           | —          | —                | Flying fish with<br>parasite (dried up) |
| " 3     | 23  | 21                             | 22° 28' N., 23° 5' W.                      | "           | Full speed | 12-12.45 p.m.    | Plankton                                |
| " 3     | 24  | 22                             | " "  | "           | "          | 2-2.10 p.m.      | "                                       |
| " 4     | 25  | 23                             | 20° 47' N., 24° 6' W.                      | "           | "          | 12-1 p.m.        | "                                       |
| " 5     | 26  | 24                             | 18° 59' N., 24° 56' W.                     | "           | "          | 2-2.30 p.m.      | "                                       |
| " 6     | 27  | 25                             | 17° 8' N., 25° 41' W.                      | "           | "          | 2.30-4.30 p.m.   | "                                       |
| " 6     | 28  | 26                             | " "  | "           | Hand-net   | 10 a.m.          | "                                       |
| " 7     | 29  | 27                             | 15° 38' N., 25° 24' W.                     | 10 metres   | Full speed | 2-3.30 p.m.      | "                                       |
| " 8     | 30  | 28                             | 13° 56' N., 25° 8' W.                      | 2 "         | "          | 1.10-3.15 p.m.   | "                                       |
| " 9     | 31  | 29                             | 11° 20' N., 24° 37' W.                     | 2 "         | "          | 2.30-3.30 p.m.   | "                                       |
| " 10    | 32  | 30                             | 9° 0' N., 24° 17' W.                       | Surface     | "          | 1.30-3 p.m.      | "                                       |
| " 11    | 33  | 31                             | 7° 0' N., 23° 43' W.                       | "           | "          | 2-3.30 p.m.      | "                                       |
| " 14    | 34  | 32                             | 2° 38' N., 21° 16' W.                      | 1 metre     | "          | 2-3 p.m.         | "                                       |
| " 21    | 35  | 33                             | 11° 7' S., 25° 49' W.                      | Surface     | Bucket     | Noon             | "                                       |



| Date.        | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.   | Depth.             | Net.                  | Time.                            | Nature of Catch.  |
|--------------|---|--------------------------------|---|--------------------|-----------------------|----------------------------------|---|
| <b>1910.</b> |   |                                |   |                    |                       |                                  |   |
| July 26-30   | <b>36</b>   | —                              | South Trinidad Island                             | —                  | —                     | —                                | Birds and other<br>land - animals ;<br>shore-collecting |
| „ 28         | <b>37</b>   | —                              | Off S. Trinidad Island,<br>20° 28' S., 29° 25' W. | —                  | —                     | —                                | Small shark with<br>parasites                           |
| <b>1913.</b> |   |                                |   |                    |                       |                                  |   |
| Apr. 13      | <b>38</b>   | H.V. 1 or H. 1                 | 52° 23' S., 63° 50' W.                            | 125 fath. (229 m.) | Agassiz<br>trawl      | —                                | Bottom fauna  |
| „ 27         | <b>39</b>   | H. 10                          | Six miles off mouth of<br>Rio de Janeiro Harbour  | 2 metres           | 50-mesh               | 11 p.m.-1.30 a.m.                | Plankton  |
| „ 27         | <b>40</b>   | „ 11                           | Do.   | „                  | „                     | 2.30-5 a.m.                      | „   |
| May 2        | <b>41</b>   | „ 11 (a)                       | 22° 56' S., 41° 34' W.                            | Surface            | „                     | 8 a.m.                           | „   |
| „ 2          | <b>42</b>   | H.V. 2 or H. 2                 | „ „   | 40 fath. (73 m.)   | Agassiz<br>trawl      | —                                | Bottom fauna (sand)                                     |
| „ 3          | <b>43</b>   | H. 12                          | 22° 6' S., 39° 40' W.                             | Surface            | 50-mesh               | 12.30-1 a.m.                     | Plankton  |
| „ 4          | <b>44</b>   | „ 13                           | 21° S., 37° 50' W.                                | „                  | „                     | 12.50-1.30 a.m.                  | „   |
| „ 4          | <b>45</b>   | „ 14                           | „ „   | „                  | 7-mesh                | „ „                              | „   |
| „ 4          | <b>46</b>   | „ 15                           | 20° 30' S., 36° 30' W.                            | „                  | Do.                   | 10.30-11 p.m.                    | „   |
| „ 4          | <b>47</b>   | „ 16                           | „ „   | „                  | 50-mesh               | „ „                              | „   |
| „ 6          | <b>48</b>   | „ 17                           | 18° 51' S., 33° 40' W.                            | „                  | „                     | 4.30-5 a.m.                      | „   |
| „ 6          | <b>49</b>   | „ 18                           | „ „   | „                  | 7-mesh                | „ „                              | „   |
| „ 7          | <b>50</b>   | „ 19                           | 18° S., 31° 45' W.                                | „                  | 50-mesh<br>3 nets out | 12.35-1.15 a.m.                  | „   |
| „ 12         | <b>51</b>   | „ 20                           | 5° S., 27° 15' W.                                 | „                  | 50-mesh               | 3-3.30 p.m.                      | „   |
| „ 12         | <b>52</b>   | „ 21                           | „ „   | 2 metres           | „                     | 4-6 p.m.                         | „   |
| „ 12         | <b>53</b>   | „ 22                           | „ „   | 2 „                | „                     | 6-7 p.m.                         | „   |
| „ 12         | <b>54</b>   | „ 23                           | 4° 45' S., 27° 20' W.                             | 4 „                | 24-mesh               | 9 p.m.-Midnight                  | „   |
| „ 13         | <b>55</b>   | „ 24                           | 4° 30' S., 27° 16' W.                             | 2 „                | 50-mesh               | 1-3 a.m.                         | „   |
| „ 13         | <b>56</b>   | „ 25                           | „ „   | 2 „                | „                     | 10-11.30 a.m.                    | „   |
| „ 13         | <b>57</b>   | „ 26                           | „ „   | Surface            | „                     | 1.15-3 p.m.                      | „   |
| „ 16         | <b>58</b>   | „ 27                           | 0°, 25° 15' W.                                    | „                  | „                     | 1-1.30 a.m.                      | „   |
| „ 16         | <b>59</b>   | „ 28                           | „ „   | „                  | „                     | „ „                              | „   |
| „ 17         | <b>60</b>   | „ 29                           | 2° N., 24° 45' W.                                 | „                  | „                     | „ „                              | „   |
| „ 17         | <b>61</b>   | „ 30                           | „ „   | „                  | „                     | „ „                              | „   |
| „ 18         | <b>62</b>   | „ 31                           | 4° 50' N., 24° W.                                 | „                  | „                     | „ „                              | „   |
| „ 19         | <b>63</b>   | „ 32                           | 6° 10' N., 24° 5' W.                              | „                  | 50-mesh<br>2 nets out | 2-2.30 a.m.                      | „   |
| „ 26         | <b>64</b>   | „ 33                           | 23° 28' N., 34° 45' W.                            | „                  | 50-mesh               | 1.30-2 a.m.                      | „   |
| „ 26         | <b>65</b>   | „ 34                           | „ „   | „                  | „                     | „ „                              | „   |
| „ 27         | <b>66</b>   | „ 35                           | 25° 35' N., 34° 10' W.                            | „                  | „                     | „ „                              | „   |
| „ 27         | <b>67</b>   | „ 36                           | „ „   | „                  | „                     | „ „                              | „   |
| „ 28         | <b>68</b>   | „ 37                           | 27° 22' N., 33° 40' W.                            | „                  | „                     | „ „                              | „   |
| „ 29         | <b>69</b>   | „ 39                           | 29° 10' N., 33° 36' W.                            | „                  | „                     | „ „                              | „   |
| June 3       | <b>70</b>   | „ 40                           | Off Horta Harbour,<br>Fayal, Azores               | 12 metres          | 24-mesh               | 6 p.m. - 8 a.m.<br>June 2 June 3 | „   |

Map 1.

Map 2.

Map 2.  
(Plate II.)  
1911.

| Date.   | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.   | Depth.                          | Net.             | Time.                      | Nature of Catch.       |
|---------|---|--------------------------------|---|---------------------------------|------------------|----------------------------|------------------------|
| July 16 | 71  | W. C. 5                        | 34° 13' S., 172° 17' E.   | 4 metres                        | 180-mesh         | 11 a.m.-1 p.m.             | Plankton               |
| " 17    | 72  | " 6                            | From Three Kings<br>Islands, New Zealand,<br>W.N.W., 4½ miles         | 2 "                             | 50-mesh          | 10-10.30 a.m.              | "                      |
| " 17    | 73  | " 7                            | From Summit, Gt. King,<br>W. by N., 5½ miles                          | 2 "                             | 180-mesh         | 11-11.15 a.m.              | "                      |
| " 17    | 74  | " 8                            | From Summit, Gt. King,<br>W., 5½ miles                                | 0-120 "                         | Apstein          | Noon                       | "                      |
| " 17    | 75  | " 9                            | From Summit, Gt. King,<br>W., 8 miles                                 | Surface                         | 50-mesh          | 3-3.30 p.m.                | "                      |
| " 17    | 76  | " 10                           | Do.   | "                               | 180-mesh         | " "                        | "                      |
| " 18    | 77  | " 11                           | 34° 5' S., 171° 48' E.  | "                               | "                | 5-7 p.m.                   | "                      |
| " 21    | 78  | " 12                           | 34° 39' S., 171° 6' E.  | "                               | 50-mesh          | 10.30-11 a.m.              | "                      |
| " 21    | 79  | " 13                           | 34° 35' S., 171° 16' E.   | "                               | "                | 1 p.m.                     | "                      |
| " 22    | 80  | " 14                           | From Summit, Gt. King,<br>N. 87° W., 11 miles                         | 0-100 metres                    | 24-mesh          | 5 p.m.                     | "                      |
| " 23    | 81  | " 15                           | From Summit, Gt. King,<br>S. 60° E., 28 miles                         | 0-100 "                         | Nansen           | 9 a.m.                     | "                      |
| " 23    | 82  | " 16                           | From Summit, Gt. King,<br>S. 40° E., 29 miles                         | 0-100 "                         | Apstein          | 1 p.m.                     | "                      |
| " 23    | 83  | " 17                           | Do.   | 2 "                             | 50-mesh          | 1-4 p.m.                   | "                      |
| " 23    | 84  | " 18                           | From C. Maria van<br>Diemen Light, S.W.<br>by W., 15 miles            | 2 "                             | "                | 8-9 p.m.                   | "                      |
| " 24    | 85  | " 19                           | From C. Maria van Die-<br>men Light, W.N.W.,<br>24 miles              | 2 "                             | "                | 1-5 a.m.                   | "                      |
| " 25    | 86  | " 20                           | Off Three Kings Islands   | 3 "                             | "                | 8 p.m.-5 a.m.<br>24th 25th | "                      |
| " 25    | 87  | " 21                           | From Summit, Gt. King,<br>S. ½° W., 10 miles                          | 30 "                            | "                | Noon                       | "                      |
| " 25    | 88  | " 22                           | Do.   | 1 "                             | "                | Noon                       | "                      |
| " 25    | 89  | " 23                           | Off Three Kings Islands   | Surface                         | 24-mesh          | 8-10 p.m.                  | "                      |
| " 25    | 90  | New Zealand<br>Benthos, 1      | From Summit, Gt. King,<br>Three Kings Islands,<br>S. 14° W., 8 miles  | 100 fathoms<br>(183 metres)     | Dredge           | —                          | Bottom fauna (rock)    |
| " 26    | 91  | Do., 2                         | From Summit, Gt. King,<br>Three Kings Islands,<br>S. 10° W., 25 miles | 300 fathoms<br>(549 metres)     | Dredge           | "                          | " "                    |
| " 27    | 92  | W. C. 24                       | From Summit, Gt. King,<br>S. by W., 24 miles                          | Surface                         | 24-mesh          | 9 p.m.-4 a.m.<br>26th 27th | Plankton               |
| " 28    | 93  | " 25                           | From Summit, Gt. King,<br>S.E. by S., 13 miles                        | "                               | "                | 9 p.m.-4 a.m.<br>27th 28th | "                      |
| " 30    | 94  | " 26                           | Off Mongonui, Doubt-<br>less Bay                                      | 18 metres                       | 50-mesh          | 2-4 p.m.                   | "                      |
| Aug. 2  | 95  | New Zealand<br>Benthos, 3      | 1 mile S. of North<br>Cape, New Zealand                               | 10-30 fathoms<br>(18-55 metres) | Otter<br>trawl   | —                          | Bottom fauna (sand)    |
| " 3     | 96  | Do., 4                         | 7 miles E. of North<br>Cape, New Zealand                              | 70 fathoms<br>(128 metres)      | Agassiz<br>trawl | "                          | " " (sand<br>and rock) |
| " 3     | 97  | W. C. 27                       | Anchorage, North Cape   | 20 metres                       | 50-mesh          | 9 p.m.-8 a.m.<br>2nd 3rd   | Plankton               |



| Date.        | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.  | Depth.      | Net.              | Time.                         | Nature of Catch. |
|--------------|---|--------------------------------|--|-------------|-------------------|-------------------------------|------------------|
| <b>1911.</b> |   |                                |  |             |                   |                               |                  |
| Aug. 4       | <b>98</b>   | W. C. 28                       | From West Island,<br>Three Kings Islands,<br>S.W., 5 miles | 0-45 metres | Apstein           | Noon                          | Plankton         |
| " 4          | <b>99</b>   | " 29                           | Do.  | 0-70 "      | "                 | "                             | "                |
| " 4          | <b>100</b>  | " 30                           | Do.  | Surface     | 50-mesh           | 1-2 p.m.                      | "                |
| " 4          | <b>101</b>  | " 31                           | Do.  | "           | "                 | 4-5 p.m.                      | "                |
| " 4          | <b>102</b>  | " 32                           | Do.  | "           | "                 | 3-4 p.m.                      | "                |
| " 4          | <b>103</b>  | " 33                           | Do.  | "           | "                 | 5-6 p.m.                      | "                |
| " 4          | <b>104</b>  | " 34                           | Do.  | 0-25 metres | Apstein           | 4.30 p.m.                     | "                |
| " 4          | <b>105</b>  | " 35                           | Do.  | 0-80 "      | "                 | "                             | "                |
| " 4          | <b>106</b>  | " 36                           | Do.  | Surface     | 50-mesh           | 7-8 p.m.                      | "                |
| " 4          | <b>107</b>  | " 37                           | Do.  | "           | 24-mesh           | 8 p.m.-5.30 a.m.<br>4th 5th   | "                |
| " 5          | <b>108</b>  | " 38                           | 34° 15' S., 172° 0' E.                                     | "           | 50-mesh           | Noon-4 p.m.<br>at intervals   | "                |
| " 5          | <b>109</b>  | " 39                           | " "  | 3 metres    | 24-mesh           | 8 p.m.-8 a.m.<br>5th 6th      | "                |
| " 6          | <b>110</b>  | " 40                           | 34° 4' S., 171° 55' E.                                     | Surface     | "                 | 9 p.m.-4 a.m.<br>6th 7th      | "                |
| " 7          | <b>111</b>  | " 41                           | Off Three Kings Islands                                    | "           | "                 | 10 a.m.-1 p.m.                | "                |
| " 8          | <b>112</b>  | " 41 (a)                       | 33° 37' S., 171° 30' E.                                    | 3 metres    | 50-mesh           | Noon-4 p.m.                   | "                |
| " 9          | <b>113</b>  | " 42                           | 33° 12' S., 171° 05' E.                                    | 3 "         | "                 | 9 a.m.-Noon                   | "                |
| " 10         | <b>114</b>  | " 43                           | 32° 55' S., 170° 38' E.                                    | Surface     | "                 | 10 a.m.-4 p.m.                | "                |
| " 16         | <b>115</b>  | " 44                           | 34° 32' S., 172° 20' E.                                    | "           | Full speed        | 3-5 p.m.                      | "                |
| " 16         | <b>116</b>  | " 45                           | " "  | 0-50 metres | Apstein           | 5.30 p.m.                     | "                |
| " 16         | <b>117</b>  | " 46                           | " "  | 0-150 "     | "                 | 5.45 p.m.                     | "                |
| " 17         | <b>118</b>  | " 47                           | " "  | Surface     | 50-mesh           | 9 p.m.-5 a.m.<br>16th 17th    | "                |
| " 17         | <b>119</b>  | " 48                           | " "  | "           | Full speed        | 9 a.m.-5 p.m.                 | "                |
| " 18         | <b>120</b>  | " 49                           | 34° 26' S., 172° 14' E.                                    | "           | 50-mesh           | 9 p.m.-5 a.m.<br>17th 18th    | "                |
| " 18         | <b>121</b>  | " 49 (a)                       | Off C. Maria v. Diemen                                     | "           | Full speed        | Unrecorded                    | "                |
| " 19         | <b>122</b>  | " 50                           | From C. Maria van<br>Diemen, S. 80° W.,<br>21 miles        | "           | 50-mesh           | 9 p.m.-5 a.m.<br>18th 19th    | "                |
| " 19         | <b>123</b>  | " 51                           | Between North Cape<br>and Doubtless Bay                    | "           | Full speed        | 11 a.m.-4 p.m.                | "                |
| " 23         | <b>124</b>  | " 52                           | Do.  | "           | "                 | 9 a.m.-1 p.m.                 | "                |
| " 23         | <b>125</b>  | " 53                           | Do.  | "           | Square<br>18-mesh | 2-4 p.m.                      | "                |
| " 24         | <b>126</b>  | " 54                           | 34° 13' S., 172° 15' E.                                    | "           | Do.               | 9 a.m.-Noon                   | "                |
| " 25         | <b>127</b>  | " 55                           | Off Three Kings Islands                                    | "           | 50-mesh           | 9 p.m.-5 a.m.<br>24th 25th    | "                |
| " 26         | <b>128</b>  | " 56                           | Do.  | "           | 100-mesh          | 9 p.m.-6 a.m.<br>25th 26th    | "                |
| " 26         | <b>129</b>  | " 57                           | Do.  | "           | Square<br>18-mesh | 6 p.m.-6 a.m.<br>25th 26th    | "                |
| " 27         | <b>130</b>  | " 58                           | Do.  | "           | Do.               | 8 p.m.-6.30 a.m.<br>26th 27th | "                |
| " 27         | <b>131</b>  | " 59                           | Do.  | "           | Do.               | 9 a.m.-5 p.m.                 | "                |

Map 2.



## Map 2.

| Date.             | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.  | Depth.                          | Net.              | Time.                        | Nature of Catch.               |
|-------------------|---|--------------------------------|--|---------------------------------|-------------------|------------------------------|--------------------------------|
| <b>1911.</b>      |   |                                |  |                                 |                   |                              |                                |
| Aug. 29           | <b>132</b>  | W. C. 60                       | Spirits Bay, near North<br>Cape                                    | 10 metres                       | 50-mesh           | 9 a.m.-Noon                  | Plankton                       |
| " 30              | <b>133</b>  | " 61                           | " "  | 20 "                            | Square<br>18-mesh | 8 p.m.-6 a.m.<br>30th 31st   | "                              |
| " 31              | <b>134</b>  | New Zealand<br>Benthos, 5      | " "  | 11-20 fathoms<br>(20-37 metres) | Dredge            | —                            | Bottom fauna<br>(shelly)       |
| Sept. 1           | <b>135</b>  | W. C. 62                       | " "  | 3 metres                        | Square<br>18-mesh | 9 p.m.-6.30 a.m.<br>31st 1st | Plankton                       |
| " 2               | <b>136</b>  | " 63                           | " "  | Surface                         | Do.               | 9 p.m.-6.30 a.m.<br>1st 2nd  | "                              |
| " 4               | <b>137</b>  | " 64                           | 34° 2' S., 172° 40' E.   | "                               | 50-mesh           | 9 a.m.-Noon                  | "                              |
| " 5               | <b>138</b>  | " 65                           | Off Three Kings Islands  | "                               | "                 | 2-3.30 p.m.                  | "                              |
| " 6               | <b>139</b>  | " 66                           | 34° 30' S., 171° 53' E.  | "                               | Square<br>18-mesh | 9 p.m.-6.30 a.m.<br>5th 6th  | "                              |
| " 6               | <b>140</b>  | " 67                           | Do.  | "                               | 50-mesh           | 10 a.m.-4 p.m.               | "                              |
| " 7               | <b>141</b>  | " 68                           | 34° 37' S., 171° 19' E.  | "                               | Square<br>18-mesh | 11 a.m.-9 a.m.<br>6th 7th    | "                              |
| " 8               | <b>142</b>  | " 69                           | 34° 45' S., 170° 45' E.  | 2 metres                        | Do.               | 9 a.m.-9 a.m.<br>7th 8th     | "                              |
| " 9               | <b>143</b>  | " 70                           | 34° 58' S., 170° 12' E.  | Surface                         | 50-mesh           | 4 p.m.-9 a.m.<br>8th 9th     | "                              |
| " 13              | <b>144</b>  | New Zealand<br>Benthos, 6      | From Cape Maria van<br>Diemen, W. by S., 7<br>miles (true bearing) | 35-40 fathoms<br>(64-73 metres) | Dredge            | ..                           | Bottom fauna<br>(rock)         |
| " 15              | <b>145</b>  | W. C. 71                       | Anchorage, North Cape  | 24 metres                       | 50-mesh           | 1.30-3.30 p.m.               | Plankton                       |
| " 18              | <b>146</b>  | " 72                           | " "  | 5 "                             | "                 | 11.30 a.m.-1 p.m.            | "                              |
| " 24              | <b>147</b>  | " 74                           | Between Doubtless Bay<br>and Bay of Islands                        | Surface                         | Full speed        | 11 a.m.-4 p.m.               | "                              |
| <b>1912.</b>      |   |                                |  |                                 |                   |                              |                                |
| Aug. and<br>Sept. | <b>148</b>  | (None)                         | Bay of Islands, 35° 15'<br>S., 174° 10' E.                         | 0-24 metres                     | 50-mesh           | ..                           | "                              |
| "                 | <b>149</b>  | —                              | " "  | —                               | —                 | —                            | Parasites from<br>Whales       |
| July-Oct.         | <b>150</b>  | —                              | " "  | —                               | —                 | —                            | Whale material                 |
| <b>Map 3.</b>     | <b>Map 3.</b><br>(Plate III.)                           |                                |  |                                 |                   |                              |                                |
| <b>1910.</b>      |   |                                |  |                                 |                   |                              |                                |
| Sept. 8           | <b>151</b>  | —                              | 39° 56' S., 32° 12' E.   | —                               | —                 | —                            | 2 Birds                        |
| " 9               | <b>152</b>  | ..                             | 39° 38' S., 34° 52' E.   | ..                              | ..                | ..                           | 1 Bird                         |
| " 10              | <b>153</b>  | —                              | 38° 58' S., 35° 24' E.   | —                               | —                 | —                            | 1 Bird                         |
| " 11              | <b>154</b>  | ..                             | 39° 50' S., 37° 56' E.   | ..                              | ..                | ..                           | 1 Bird                         |
| " 12              | <b>155</b>  | —                              | 39° 57' S., 40° 34' E.   | —                               | —                 | —                            | 1 Bird                         |
| Oct. 3            | <b>156</b>  | ..                             | 42° 17' S., 111° 18' E.  | ..                              | ..                | ..                           | 1 Bird with<br>parasites       |
| " 4               | <b>157</b>  | —                              | 42° 5' S., 114° 41' E.   | —                               | —                 | —                            | 1 Bird                         |
| " 5               | <b>158</b>  | ..                             | 41° 49' S., 118° 01' E.  | ..                              | ..                | ..                           | 3 Birds                        |
| " 6               | <b>159</b>  | —                              | 41° 46' S., 121° 39' E.  | —                               | —                 | —                            | Parasites, from an<br>Albatros |



| Date.        | Station-number<br>(to be used in<br>recording results) | Provisional<br>Station-number | Locality.  | Depth.                           | Net.                | Time.     | Nature of Catch.                                    |
|--------------|--|-------------------------------|--|----------------------------------|---------------------|-----------|---|
| <b>1910.</b> |  |                               |  |                                  |                     |           |   |
| Oct. 8       | <b>160</b>   | ..                            | 41° 08' S., 128° 43' E.                          | ..                               | ..                  | ..        | 1 Bird  |
| October      | <b>161</b>   | ..                            | Melbourne Harbour,<br>Australia                  | 12 metres                        | Young<br>fish trawl | ..        | Plankton  |
| Oct. 21      | <b>162</b>   | —                             | 43° 40' S., 157° E.                              | —                                | —                   | —         | 2 Birds   |
| .. 22        | <b>163</b>   | ..                            | 44° 25' S., 160° E.                              | ..                               | ..                  | ..        | 3 Birds   |
| Nov. 30      | <b>164</b>   | A. 1                          | 47° 34' S., 170° 38' E.                          | Surface                          | Full speed          | 4 p.m.    | Plankton  |
| (Unknown)    | <b>165</b>   | —                             | Off Campbell Islands,<br>52° 20' S., 167° 30' E. | —                                | —                   | —         | Parasites from a<br>Bird                            |
| Dec. 5       | <b>166</b>   | A. 2                          | 56° 41' S., 176° 23' E.                          | Surface                          | Full speed          | 5 p.m.    | Plankton  |
| .. 7         | <b>167</b>   | .. 3                          | 61° 22' S., 179° 56' W.                          | ..                               | ..                  | 4 p.m.    | ..  |
| .. 8         | <b>168</b>   | .. 4                          | 63° 20' S., 177° 22' W.                          | ..                               | ..                  | ..        | ..  |
| .. 8         | <b>169</b>   | —                             | .. ..  | ..                               | ..                  | ..        | 1 Bird  |
| .. 9         | <b>170</b>   | A. 5                          | 65° 8' S., 177° 40' W.                           | Surface                          | Full speed          | 4 p.m.    | Plankton  |
| .. 10        | <b>171</b>   | .. 6                          | 66° 38' S., 178° 47' W.                          | 0-150 metres                     | Apstein             | 10 a.m.   | ..  |
| .. 10        | <b>172</b>   | .. 7                          | .. ..  | 0-400 ..                         | Nansen              | ..        | ..  |
| .. 10        | <b>173</b>   | —                             | 66° 38' S., 179° 04' W.                          | ..                               | ..                  | ..        | 3 Birds (just after the<br>first ice was seen)      |
| .. 13        | <b>174</b>   | —                             | 67° 28' S., 177° 58' W.                          | —                                | —                   | —         | 1 Bird  |
| .. 14        | <b>175</b>   | A. 8                          | 67° 28' S., 177° 59' W.                          | 0-400 metres                     | Nansen              | Noon      | Plankton  |
| .. 15        | <b>176</b>   | .. 9                          | 67° 23' S., 177° 59' W.                          | 0-250 ..                         | Apstein             | 11 a.m.   | ..  |
| .. 15        | <b>177</b>   | .. 10                         | .. ..  | 0-500 ..                         | Nansen              | ..        | ..  |
| .. 15        | <b>178</b>   | .. 11                         | .. ..  | 0-500 ..                         | 24-mesh             | 9 p.m.    | ..  |
| .. 15        | <b>179</b>   | —                             | 67° 23' S., 177° 58' W.                          | ..                               | ..                  | ..        | 2 Birds   |
| .. 22        | <b>180</b>   | A. 12                         | 68° 26' S., 179° 08' W.                          | 100 metres                       | 24-mesh             | 5 p.m.    | Plankton  |
| .. 22        | <b>181</b>   | —                             | 68° 41' S., 179° 28' W.                          | —                                | —                   | —         | 8 Birds (in pack-ice)                               |
| .. 24        | <b>182</b>   | A. 13                         | 69° 01' S., 178° 29' W.                          | 2 metres                         | 180-mesh            | 2 a.m.    | Plankton  |
| .. 25        | <b>183</b>   | .. 14                         | 69° 1' S., 178° 28' W.                           | Surface                          | Hand                | 1 a.m.    | ..  |
| .. 26        | <b>184</b>   | —                             | 69° 09' S., 178° 13' W.                          | ..                               | ..                  | ..        | Parasites, from an<br>Adélie Penguin                |
| .. 30        | <b>185</b>   | A. 15                         | 72° 17' S., 177° 09' E.                          | 1 metre                          | 24-mesh             | Noon      | Plankton  |
| .. 31        | <b>186</b>   | .. 16                         | 72° 51' S., 174° 55' E.                          | Surface                          | ..                  | Midnight  | ..  |
| .. 31        | <b>187</b>   | .. 17                         | .. ..  | 1 metre                          | 180-mesh            | ..        | ..  |
| <b>1911.</b> |  |                               |  |                                  |                     |           |   |
| Jan. 1       | <b>188</b>   | .. 18                         | 73° 5' S., 174° 11' E.                           | Surface                          | Full speed          | 11 a.m.   | ..  |
| .. 29        | <b>189</b>   | B. 3                          | 78° 16' S., 175° 55' E.                          | 3 metres                         | ..                  | 3 p.m.    | ..  |
| .. 31        | <b>190</b>   | .. 4                          | 78° 30' S., 170° 35' W.                          | Surface                          | ..                  | 2.30 p.m. | ..  |
| Feb. 4       | <b>191</b>   | Antarctic<br>Benthos, 2       | Bay of Whales, Great<br>Ice Barrier              | 194-250 fathoms.<br>(355-457 m.) | Dredge              | ..        | Bottom fauna (mud<br>and stones)                    |
| .. 18        | <b>192</b>   | (None)                        | Robertson's Bay                                  | Surface                          | Bucket              | —         | Plankton  |
| .. 22        | <b>193</b>   | B. 5                          | 69° 23' S., 163° 59' E.                          | 1 metre                          | Full speed          | 6 p.m.    | ..  |
| .. 22        | <b>194</b>   | Antarctic<br>Benthos, 4       | Off Oates Land, 69° 43'<br>S., 163° 24' E.       | 180-200 fathoms.<br>(329-366 m.) | Agassiz<br>trawl    | ..        | Bottom fauna (un-<br>decomposed ani-<br>mal debris) |
| Mar. 6       | <b>195</b>   | B. 6                          | 65° 14' S., 161° 24' E.                          | 2 metres                         | 50-mesh             | 5 p.m.    | Plankton  |
| .. 11        | <b>196</b>   | .. 7                          | 61° 10' S., 163° 01' E.                          | 1 metre                          | ..                  | 6 p.m.    | ..  |
| .. 14        | <b>197</b>   | .. 8                          | 58° 30' S., 161° 35' E.                          | Surface                          | Full speed          | 3 p.m.    | ..  |
| .. 17        | <b>198</b>   | .. 9                          | 56° 14' S., 163° 48' E.                          | ..                               | 100-mesh            | 2 p.m.    | ..  |

Map 3.



## Map 3.

| Date.            | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.  | Depth.                          | Net.             | Time.                        | Nature of Catch.          |
|------------------|---|--------------------------------|--|---------------------------------|------------------|------------------------------|---------------------------|
| <b>1911.</b>     |   |                                |  |                                 |                  |                              |                           |
| Mar. 17          | 199   | B. 10                          | 56° 14' S., 163° 48' E.  | Surface                         | 180-mesh         | 2 p.m.                       | Plankton                  |
| July 11          | 200   | W. C. 1                        | 42° 06' S., 175° 13' E.  | ..                              | Full speed       | 1 p.m.                       | ..                        |
| .. 12            | 201   | .. 2                           | 40° 12' S., 177° 57' E.  | ..                              | ..               | 5 p.m.                       | ..                        |
| .. 13            | 202   | .. 3                           | 38° 12' S., 178° 56' E.  | ..                              | ..               | 3.30 p.m.                    | ..                        |
| .. 14            | 203   | .. 4                           | 36° 33' S., 177° 0' E.   | ..                              | ..               | Noon                         | ..                        |
| Dec. 15          | 204   | D. 1                           | 43° 52' S., 173° 12' E.  | ..                              | ..               | 11 a.m.—Noon                 | ..                        |
| .. 15            | 205   | .. 2                           | .. ..  | ..                              | ..               | 1-4 p.m.                     | ..                        |
| .. 16            | 206   | .. 3                           | 45° 25' S., 172° 28' E.  | ..                              | ..               | 9 a.m.—1 p.m.                | ..                        |
| .. 17            | 207   | .. 4                           | 47° 44' S., 173° 2' 5" E.  | ..                              | ..               | 9 a.m.—4 p.m.                | ..                        |
| .. 18            | 208   | .. 5                           | 49° 40' S., 171° 45' E.  | ..                              | ..               | Noon—4 p.m.                  | ..                        |
| .. 19            | 209   | .. 6                           | 51° 48' S., 172° 18' E.  | ..                              | ..               | 9 p.m.—9 a.m.<br>18th 19th   | ..                        |
| .. 20            | 210   | .. 7                           | 53° 35' S., 173° 06' E.  | ..                              | ..               | 9 a.m.—Noon                  | ..                        |
| .. 21            | 211   | .. 8                           | 55° 16' S., 173° 02' E.  | ..                              | ..               | Noon                         | ..                        |
| .. 23            | 212   | .. 9                           | 59° 6' S., 177° 55' E.   | ..                              | ..               | 9 a.m.—Noon                  | ..                        |
| .. 24            | 213   | .. 10                          | 60° 39' S., 178° 40' W.  | ..                              | ..               | .. ..                        | ..                        |
| .. 24            | 214   | .. 11                          | .. ..  | ..                              | ..               | 1-4 p.m.                     | ..                        |
| .. 25            | 215   | .. 12                          | 62° 10' S., 175° 38' W.  | ..                              | ..               | 11 a.m.—2 p.m.               | ..                        |
| .. 27            | 216   | .. 13                          | 64° 56' S., 175° 30' W.  | ..                              | ..               | Noon—1 p.m.                  | ..                        |
| .. 29            | 217   | .. 14                          | 66° 46' S., 177° 48' W.  | 10 metres                       | 50-mesh          | 10.30 a.m.—Noon              | ..                        |
| Nov. and<br>Dec. | 218   | —                              | Cape Adare   | —                               | —                | —                            | 8 Birds                   |
| <b>1912.</b>     |   |                                |  |                                 |                  |                              |                           |
| Jan. 3           | 219   | D. 15                          | Robertson's Bay  | 10 metres                       | 50-mesh          | 5-6.30 p.m.                  | Plankton                  |
| .. 3             | 220   | Antarctic<br>Benthos, 5        | Off Cape Adare, mouth<br>of Robertson's Bay                      | 45-50 fathoms<br>(82-92 metres) | Agassiz<br>trawl | ..                           | Bottom fauna<br>(shingle) |
| .. 9             | 221   | D. 16                          | North (True) of Dry-<br>galski Glacier Tongue,<br>Terra Nova Bay | 10 metres                       | 50-mesh          | 1-2 p.m.                     | Plankton                  |
| .. 10            | 222   | .. 17                          | 76° 3' S., 165° 55' E.   | 10 ..                           | ..               | ..                           | ..                        |
| .. 11            | 223   | .. 18                          | 76° 2' S., 165° 55' E.   | 10 ..                           | ..               | 9-11 a.m.                    | ..                        |
| Mar. 9           | 224   | .. 33                          | 60 miles E. of Cape<br>Adare                                     | 1 ..                            | ..               | 7-9 p.m.                     | ..                        |
| .. 11            | 225   | .. 34                          | 69° 45' S., 177° 19' E.  | 20 ..                           | ..               | 2-4 p.m.                     | ..                        |
| .. 12            | 226   | .. 35                          | 69° 23' S., 177° 52' E.  | 10 ..                           | ..               | 9-11 a.m.                    | ..                        |
| .. 15            | 227   | .. 36                          | 68° 03' S., 169° 45' E.  | Surface                         | Full speed       | 1-2 p.m.                     | ..                        |
| .. 18            | 228   | .. 37                          | 64° 3' S., 160° 12' E.   | ..                              | ..               | 9 p.m.—4 a.m.<br>17th 18th   | ..                        |
| .. 18            | 229   | .. 38                          | .. ..  | 80 metres                       | 50-mesh          | 8.30-9 a.m.                  | ..                        |
| .. 18            | 230   | .. 39                          | .. ..  | 80 ..                           | ..               | 11 a.m.—12.30 p.m.           | ..                        |
| .. 18            | 231   | .. 40                          | .. ..  | 80 ..                           | 24-mesh          | 1.30-4.30 p.m.               | ..                        |
| .. 24            | 232   | .. 41                          | 55° 51' S., 165° 49' E.  | Surface                         | Full speed       | 10-11 a.m.                   | ..                        |
| .. 26            | 233   | .. 42                          | 52° 41' S., 168° 15' E.  | ..                              | ..               | Noon                         | ..                        |
| .. 26            | 234   | .. 43                          | .. ..  | 3 metres                        | 24-mesh          | 2-5 p.m.                     | ..                        |
| .. 26            | 235   | .. 44                          | .. ..  | 10 ..                           | ..               | 7-10 p.m.                    | ..                        |
| .. 27            | 236   | .. 45                          | 52° 11' S., 167° 25' E.  | 80 ..                           | ..               | 6-8 p.m.                     | ..                        |
| .. 27            | 237   | .. 46                          | .. ..  | 10 ..                           | ..               | Midnight-8 a.m.<br>27th 28th | ..                        |



| Date.        | Station-number<br>(to be used in<br>reporting results). | Provisional<br>Station-number. | Locality.   | Depth.       | Net.             | Time.                      | Nature of Catch.        |
|--------------|---|--------------------------------|---|--------------|------------------|----------------------------|-------------------------|
| <b>1912.</b> |   |                                |   |              |                  |                            |                         |
| Mar. 27      | <b>238</b>  | D. 46 (a)                      | 52° 11' S., 167° 25' E.                             | 30 metres    | 24-mesh          | 10-10.30 a.m.              | Plankton                |
| .. 27        | <b>239</b>  | —                              | " "   | —            | —                | —                          | 4 Birds                 |
| .. 28        | <b>240</b>  | D. 47                          | 51° 57' S., 167° 38' E.                             | 4 metres     | 180-mesh         | 8.30-9 a.m.                | Plankton                |
| .. 28        | <b>241</b>  | " 47 (a)                       | " "   | Surface      | 24-mesh          | 9 p.m.-4 a.m.<br>27th 28th | "                       |
| April 2      | <b>242</b>  | " 48                           | Off Akaroa Heads, New Zealand                       | 10 metres    | 50-mesh          | 10 a.m.                    | "                       |
| July-Oct.    | <b>243</b>  | ..                             | Neighbourhood of Admiralty Bay, Nelson, New Zealand | ..           | ..               | ..                         | Land and littoral fauna |
| Dec. 15      | <b>244</b>  | E. 1                           | 45° 42' S., 174° 43' E.                             | 0-200 ..     | Apstein          | 8 p.m.                     | Plankton                |
| .. 16        | <b>245</b>  | " 2                            | 46° 58' S., 176° 3' E.                              | 0-100 ..     | "                | 10 a.m.                    | "                       |
| .. 16        | <b>246</b>  | " 3                            | " "   | 0-200 ..     | "                | "                          | "                       |
| .. 18        | <b>247</b>  | " 4                            | 51° 22' S., 179° 18' W.                             | 0-200 ..     | "                | 10.30 a.m.                 | "                       |
| .. 18        | <b>248</b>  | " 5                            | " "   | Surface      | Large full speed | 7 p.m.                     | "                       |
| .. 18        | <b>249</b>  | " 6                            | " "   | 0-400 metres | Apstein          | 8 p.m.                     | "                       |
| .. 20        | <b>250</b>  | " 7                            | 54° 2' S., 177° 0' W.                               | Surface      | 50-mesh          | Noon-1 p.m.                | "                       |
| .. 20        | <b>251</b>  | " 8                            | " "   | "            | "                | 8-8.30 p.m.                | "                       |
| .. 21        | <b>252</b>  | " 9                            | 54° 33' S., 176° 55' W.                             | "            | "                | 4-5 p.m.                   | "                       |
| .. 21        | <b>253</b>  | " 10                           | 54° 38' S., 176° 24' W.                             | 0-400 metres | Apstein          | 8 p.m.                     | "                       |
| .. 21        | <b>254</b>  | " 11                           | " "   | 0-200 ..     | "                | "                          | "                       |
| .. 21        | <b>255</b>  | " 12                           | " "   | 0-100 ..     | "                | "                          | "                       |
| .. 21        | <b>256</b>  | " 13                           | " "   | 20 ..        | 50-mesh          | 10 p.m.                    | "                       |
| .. 22        | <b>257</b>  | " 14                           | 55° 34' S., 174° 35' W.                             | 0-200 ..     | Apstein          | 9 p.m.                     | "                       |
| .. 22        | <b>258</b>  | " 15                           | " "   | 0-400 ..     | "                | "                          | "                       |
| .. 22        | <b>259</b>  | " 16                           | " "   | 20 ..        | 50-mesh          | "                          | "                       |
| .. 25        | <b>260</b>  | " 17                           | 62° 20' S., 167° 45' W.                             | 0-360 ..     | Apstein          | 8 p.m.                     | "                       |
| .. 25        | <b>261</b>  | " 18                           | " "   | 0-544 ..     | "                | "                          | "                       |
| .. 26        | <b>262</b>  | " 19                           | 64° 33' S., 166° 30' W.                             | 0-330 ..     | "                | "                          | "                       |
| .. 26        | <b>263</b>  | " 20                           | " "   | 0-200 ..     | "                | "                          | "                       |
| .. 26        | <b>264</b>  | " 21                           | " "   | 20 ..        | 50-mesh          | 9 p.m.                     | "                       |
| .. 27        | <b>265</b>  | " 22                           | 66° 30' S., 166° 8' W.                              | 0-800 ..     | Apstein          | 8 p.m.                     | "                       |
| .. 27        | <b>266</b>  | " 23                           | " "   | 0-600 ..     | "                | "                          | "                       |
| .. 27        | <b>267</b>  | " 24                           | " "   | Surface      | 24-mesh          | 8-8.30 p.m.                | "                       |
| .. 28        | <b>268</b>  | " 25                           | 68° 37' S., 166° 14' W.                             | 0-400 metres | Apstein          | 8 p.m.                     | "                       |
| .. 28        | <b>269</b>  | " 26                           | " "   | Surface      | Young fish trawl | 6-8 p.m.                   | "                       |
| .. 29        | <b>270</b>  | " 27                           | 69° 51' S., 166° 17' W.                             | 0-600 metres | 24-mesh          | 8 p.m.                     | "                       |
| .. 31        | <b>271</b>  | " 28                           | 71° 23' S., 166° 3' W.                              | Surface      | "                | "                          | "                       |
| <b>1913.</b> |   |                                |   |              |                  |                            |                         |
| Jan. 1       | <b>272</b>  | " 29                           | 71° 35' S., 166° 01' W.                             | 80 metres    | "                | 4 p.m.                     | "                       |
| .. 2         | <b>273</b>  | " 30                           | " "   | 20 ..        | "                | 10-11.30 p.m.              | "                       |
| .. 3         | <b>274</b>  | " 31                           | 71° 29' S., 166° 0' W.                              | 80 ..        | "                | 9 a.m.-Noon                | "                       |
| .. 3         | <b>275</b>  | " 32                           | " "   | 160 ..       | "                | 1-5 p.m.                   | "                       |
| .. 5         | <b>276</b>  | " 33                           | 71° 41' S., 166° 47' W.                             | 0-1750 ..    | "                | 10.30-11.30 p.m.           | "                       |
| .. 6         | <b>277</b>  | " 34                           | " "   | 0-200 ..     | Apstein          | 11 a.m.-Noon               | "                       |

Map 3.



## Map 3.

| Date.   | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.                           | Depth.                      | Net.                | Time.                      | Nature of Catch. |
|---------|---|--------------------------------|-------------------------------------|-----------------------------|---------------------|----------------------------|------------------|
| 1913.   |   |                                |                                     |                             |                     |                            |                  |
| Jan. 6  | 278   | E. 35                          | 71° 41' S., 166° 47' W.             | 0-400 metres                | Apstein             | 11 a.m.-Noon               | Plankton         |
| " 6     | 279   | " 36                           | " "                                 | 0-600 "                     | "                   | " "                        | "                |
| " 6     | 280   | " 37                           | " "                                 | 0-800 "                     | "                   | " "                        | "                |
| " 6     | 281   | " 39                           | " "                                 | 80 "                        | 24-mesh             | 5.30-8 p.m.                | "                |
| " 7     | 282   | " 38                           | " "                                 | 0-1000 "                    | "                   | 8 p.m.-8 a.m.<br>6th 7th   | "                |
| " 7     | 283   | " 40                           | 71° 39' S., 166° 47' W.             | 80 "                        | "                   | 1-3 p.m.                   | "                |
| " 8     | 284   | " 41                           | 71° 49' S., 167° 32' W.             | 80 "                        | "                   | 5.15-7.30 p.m.             | "                |
| " 8     | 285   | " 42                           | " "                                 | 0-600 "                     | "                   | 8-10 p.m.                  | "                |
| " 9     | 286   | " 43                           | 71° 44' S., 167° 57' W.             | 10 "                        | 50-mesh             | 11 a.m.-12.30 p.m.         | "                |
| " 9     | 287   | " 44                           | " "                                 | 80 "                        | 24-mesh             | 9 a.m.-7 p.m.              | "                |
| " 11    | 288   | " 45                           | 71° 59' S., 168° 43' W.             | 60 "                        | "                   | 8 p.m.-9 a.m.<br>10th 11th | "                |
| " 12    | 289   | " 46                           | 72° S., 168° 17' W.                 | 24 "                        | "                   | 8 p.m.-9 a.m.<br>11th 12th | "                |
| " 12    | 290   | " 47                           | " "                                 | 60 "                        | "                   | 9 a.m.-3 p.m.              | "                |
| " 14    | 291   | " 48                           | 72° 41' S., 172° 37' W.             | 0-600 "                     | Apstein             | 10 a.m.                    | "                |
| " 14    | 292   | " 49                           | " "                                 | 0-300 "                     | "                   | "                          | "                |
| " 15    | 293   | " 50                           | 73° 41' S., 177° W.                 | 0-370 "                     | "                   | "                          | "                |
| " 15    | 294   | Antarctic<br>Benthos, 12       | Ross Sea, 74° 25' S.,<br>179° 3' E. | 158 fathoms<br>(289 metres) | Agassiz<br>trawl    | —                          | Bottom fauna     |
| " 27    | 295   | Antarctic<br>Benthos, 15       | 73° 51' S., 172° 57' E.             | 190 fathoms<br>(348 metres) | Agassiz<br>trawl    | "                          | "                |
| Feb. 1  | 296   | E. 53                          | 63° 11' S., 158° 52' E.             | 0-400 metres                | Apstein             | 8.30 p.m.                  | Plankton         |
| " 1     | 297   | " 54                           | " "                                 | 0-200 "                     | "                   | "                          | "                |
| " 1     | 298   | " 55                           | " "                                 | 12 "                        | 24-mesh             | "                          | "                |
| " 2     | 299   | " 56                           | 61° 18' S., 157° 33' E.             | 0-200 "                     | Apstein             | 10 p.m.                    | "                |
| " 2     | 300   | " 57                           | " "                                 | 0-140 "                     | 24-mesh             | "                          | "                |
| " 3     | 301   | " 58                           | 58° 21' S., 158° 5' E.              | 0-200 "                     | Apstein             | 8.30 p.m.                  | "                |
| " 3     | 302   | " 59                           | " "                                 | 20 "                        | 24-mesh             | "                          | "                |
| Mar. 14 | 303   | H. 1 (p)                       | 45° 24' S., 174° 55' E.             | Surface                     | Full speed          | 11 a.m.-Noon               | "                |
| " 16    | 304   | " 2 (p)                        | 48° 33' S., 178° 28' E.             | 4 metres                    | 24-mesh             | 2-2.30 p.m.                | "                |
| " 21    | 305   | " 3                            | 56° 41' S., 162° 05' W.             | Surface                     | 50-mesh             | 9-9.30 p.m.                | "                |
| " 24    | 306   | " 4                            | 55° 55' S., 152° 39' W.             | "                           | Young<br>fish trawl | 10 a.m.-1 p.m.             | "                |
| April 1 | 307   | " 5                            | 55° 16' S., 120° 3' W.              | 6 metres                    | 24-mesh             | 6.15-8.45 p.m.             | "                |
| " 9     | 308   | " 6                            | 55° 29' S., 78° 54' W.              | 4 "                         | "                   | 9.30-11 a.m.               | "                |
| " 19    | 309   | " 7                            | 40° 05' S., 54° 39' W.              | 4 "                         | "                   | 10.30 a.m.-12.30<br>p.m.   | "                |
| " 21    | 310   | " 8                            | 36° 57' S., 51° 21' W.              | Surface                     | 50-mesh             | 3.30-3.50 p.m.             | "                |
| " 22    | 311   | " 9                            | 35° 29' S., 50° 26' W.              | 2 metres                    | Young<br>fish trawl | 8-10 a.m.                  | "                |



| Date.                | Station-number,<br>(to be used in<br>recording results) | Provisional<br>Station-number. | Locality.  | Depth.                         | Net.                              | Time.         | Nature of Catch.   |
|----------------------|---|--------------------------------|--|--------------------------------|-----------------------------------|---------------|--|
| <b>Map 4.</b>        |   |                                |  |                                |                                   |               |  |
| <b>(Plate IV.)</b>   |   |                                |  |                                |                                   |               |  |
| <b>1911.</b>         |   |                                |  |                                |                                   |               |  |
| Jan. 19              | <b>312</b>  | ..                             | 77° 38' S., 166° 24' E.  | ..                             | ..                                | ..            | Parasites, from<br>McCormick's Skua                        |
| .. 21                | <b>313</b>  | B. 1                           | Off Cape Barne, Ross<br>Island   | 1 metre                        | 24-mesh                           | 11-11.15 a.m. | Plankton   |
| .. 23                | <b>314</b>  | Antarctic<br>Benthos, 1        | 5 miles N. of Inac-<br>cessible Island,<br>McMurdo Sound   | 222-241 faths.<br>(406-441 m.) | Agassiz<br>trawl                  | —             | Bottom fauna (mud)   |
| .. 28                | <b>315</b>  | B. 2                           | E. of Cape Bird, Ross<br>Island  | 5 metres                       | Full speed                        | 5.30 p.m.     | Plankton   |
| Feb. 9               | <b>316</b>  | Antarctic<br>Benthos, 3        | Off Glacier Tongue,<br>about 8 miles N. of<br>Hut Point, McMurdo<br>Sound                        | 190-250 faths.<br>(348-457 m.) | Agassiz<br>trawl                  | ..            | Bottom fauna (un-<br>decomposed animal<br>remains and mud) |
| June 7-<br>Oct. 14   | <b>317</b>  | —                              | Hole in ice between<br>Cape Evans and In-<br>accessible Island                                   | 175 metres                     | Townets                           | —             | Plankton   |
| June 13-<br>Sept. 16 | <b>318</b>  | ..                             | Do.  | 175 metres                     | Traps and<br>tangles on<br>bottom | ..            | Bottom fauna   |
| Aug. 7               | <b>319</b>  | —                              | In contraction - crack<br>between Inaccessible<br>Island and Barne<br>Glacier                    | —                              | Fish-trap                         | —             | Fishes   |
| .. 14                | <b>320</b>  | ..                             | Inaccessible Island  | 150 fathoms<br>(275 metres)    | ..                                | ..            | Free Nematodes   |
| .. 13-17             | <b>321</b>  | —                              | In contraction - crack<br>between Inaccessible<br>Island and Barne<br>Glacier                    | 180-250 metres                 | 7-mesh                            | —             | Bottom fauna   |
| Sept. 3, 4           | <b>322</b>  | ..                             | Do.  | 20 metres                      | Fish-trap,<br>dredge              | ..            | .. ..  |
| Oct. 16-<br>Dec. 23  | <b>323</b>  | —                              | Hole in ice between<br>Cape Evans and In-<br>accessible Island                                   | 168 "                          | Townets                           | —             | Plankton   |
| 1911, 1912           | <b>324</b>  | ..                             | Hut Point  | ..                             | ..                                | ..            | Shore collecting   |
| ..                   | <b>325</b>  | —                              | Cape Evans   | —                              | —                                 | —             | Miscellaneous<br>collections                               |
| .. ..                | <b>326</b>  | ..                             | Cape Evans and im-<br>mediate neighbour-<br>hood, various cracks<br>and holes through<br>the ice | 4-40 metres                    | Fish-trap                         | ..            | Bottom fauna and<br>fishes                                 |
| .. ..                | <b>327</b>  | —                              | Cape Royds   | —                              | —                                 | —             | 1 Bird   |
| .. ..                | <b>328</b>  | ..                             | "  | ..                             | ..                                | ..            | Shore collecting   |
| <b>1912.</b>         |   |                                |  |                                |                                   |               |  |
| Jan. 13              | <b>329</b>  | D. 19                          | Near Beaufort Island   | 10 metres                      | 50-mesh                           | 11-p.m.       | Plankton   |
| .. 13                | <b>330</b>  | " 20                           | " "  | 10 "                           | "                                 | 3-4 p.m.      | "  |
| .. 14                | <b>331</b>  | Antarctic<br>Benthos, 6        | Off Cape Bird Penin-<br>sula, entrance to<br>McMurdo Sound                                       | 250 fathoms<br>(457 metres)    | Dredge                            | —             | Bottom fauna (mud)   |

Map 4.

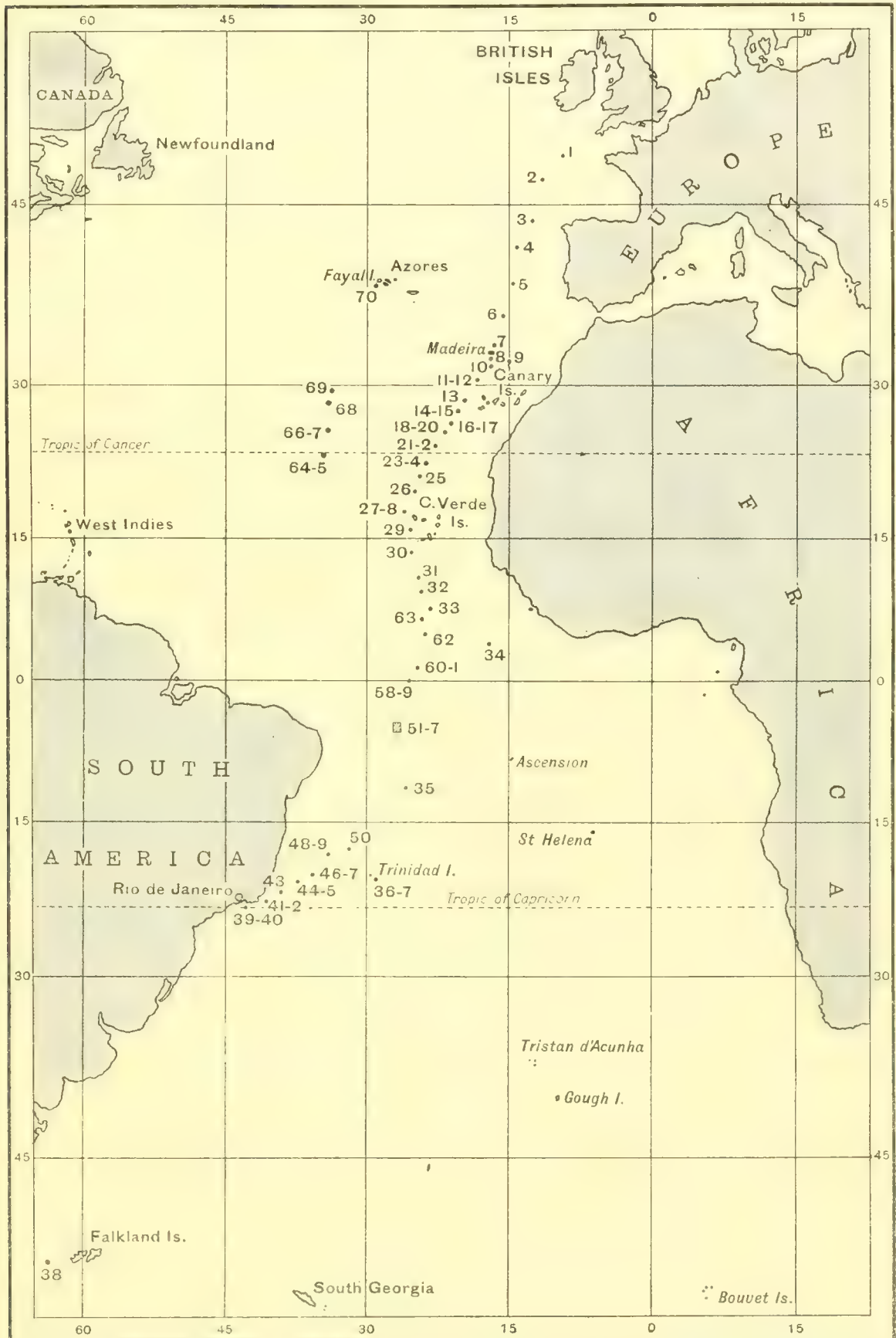


| Map 4. | Date.            | Station-number<br>(to be used in<br>recording results). | Provisional<br>Station-number. | Locality.  | Depth.                   | Net.           | Time.                 | Nature of Catch.                      |
|--------|------------------|---|--------------------------------|--|--------------------------|----------------|-----------------------|---------------------------------------|
|        |                  |   |                                |  |                          |                |                       |                                       |
|        | <b>1912.</b>     |   |                                |  |                          |                |                       |                                       |
|        | Jan. 16          | <b>332</b>  | D. 21                          | 77° 15' S., 166° 0' E.                                   | 0-550 metres             | Agassiz trawl  | 2 a.m.                | Plankton                              |
|        | .. 17            | <b>333</b>  | .. 22                          | 77° 22' S., 165° 22' E.                                  | 80 metres                | Square 18-mesh | 1-5 a.m.              | ..                                    |
|        | .. 19            | <b>334</b>  | (None)                         | Near Granite Harbour                                     | Surface                  | Hand-net       | ..                    | ..                                    |
|        | .. 20            | <b>335</b>  | D. 23                          | .. ..  | 0-300 metres             | Nansen         | 10 a.m.               | ..                                    |
|        | .. 20            | <b>336</b>  | .. 24                          | .. ..  | 10 metres                | 50-mesh        | 2 p.m.                | ..                                    |
|        | .. 22            | <b>337</b>  | .. 25                          | Off Cape Bird Peninsula                                  | 80 ..                    | Square 18-mesh | 10.30 a.m.-Noon.      | ..                                    |
|        | .. 23            | <b>338</b>  | Antarctic Benthos, 7           | 77° 13' S., 164° 18' E.                                  | 207 fathoms (379 metres) | Agassiz trawl  | —                     | Bottom fauna (mud)                    |
|        | .. 24            | <b>339</b>  | Do., 8                         | 77° 5' S., 164° 17' E.                                   | 140 fathoms (256 metres) | Do.            | ..                    | .. ..                                 |
|        | .. 25            | <b>340</b>  | Do., 9                         | 76° 56' S., 164° 12' E.                                  | 160 fathoms (293 metres) | Do.            | —                     | .. ..                                 |
|        | .. 25            | <b>341</b>  | (None)                         | Off Cape Bird Peninsula                                  | 80 metres                | Square 18-mesh | 7 p.m.-Noon 24th 25th | Plankton                              |
|        | .. 31            | <b>342</b>  | D. 26                          | Off Cape Royds   | 0-350 metres             | Nansen         | 4 p.m.                | ..                                    |
|        | Feb. 1           | <b>343</b>  | .. 27                          | ..   | 0-600 ..                 | ..             | Noon                  | ..                                    |
|        | .. 1             | <b>344</b>  | .. 28                          | ..   | 0-400 ..                 | ..             | 3 p.m.                | ..                                    |
|        | .. 2             | <b>345</b>  | .. 29                          | McMurdo Sound  | 0-500 ..                 | ..             | 8.30-9.30 a.m.        | ..                                    |
|        | .. 3             | <b>346</b>  | .. 30                          | ..   | 0-450 ..                 | ..             | 9 a.m.-5 p.m.         | ..                                    |
|        | .. 4             | <b>347</b>  | .. 31                          | Off Cape Barne   | 0-150 ..                 | ..             | .. ..                 | ..                                    |
|        | .. 13            | <b>348</b>  | Antarctic Benthos, 10          | Off Barne Glacier, McMurdo Sound                         | 200 fathoms (366 metres) | Agassiz trawl  | —                     | Bottom fauna (mud)                    |
|        | .. 15            | <b>349</b>  | Do., 11                        | Off Butter Point, Western Shore of McMurdo Sound         | 80 fathoms (146 metres)  | Do.            | ..                    | .. .. (large catch of glassy sponges) |
|        | Mar. 4           | <b>350</b>  | D. 32                          | Off Glacier Tongue, McMurdo Sound                        | 250 metres               | 24-mesh        | 2-4 p.m.              | Plankton                              |
|        | Apr. 26-June 7   | <b>351</b>  | -                              | Hole in ice between Cape Evans and In-accessible Island. | 205 ..                   | Townets        |                       | ..                                    |
|        | Aug. 29-Sept. 26 | <b>352</b>  | ..                             | Do.  | 112 ..                   | ..             | ..                    | ..                                    |
|        | Dec. 4-13        | <b>353</b>  | —                              | Cape Royds   | —                        | —              | —                     | 13 Birds                              |
|        | <b>1913.</b>     |   |                                |  |                          |                |                       |                                       |
|        | Jan. 20          | <b>354</b>  | E. 51                          | 77° 46' S., 166° 8' E.                                   | 12 metres                | 24-mesh        | 11 a.m.-2 p.m.        | Plankton                              |
|        | .. 20            | <b>355</b>  | Antarctic Benthos, 13          | .. ..  | 300 fathoms (547 metres) | Agassiz trawl  | ..                    | Bottom fauna                          |
|        | .. 22            | <b>356</b>  | Do., 14                        | Off Granite Harbour, entrance to McMurdo Sound           | 50 fathoms (92 metres)   | Do.            | —                     | .. .. (mud)                           |
|        | .. 22            | <b>357</b>  | E. 52                          | 77° 1' S., 163° 22' E.                                   | 12 metres                | 24-mesh        | 2-6 p.m.              | Plankton                              |

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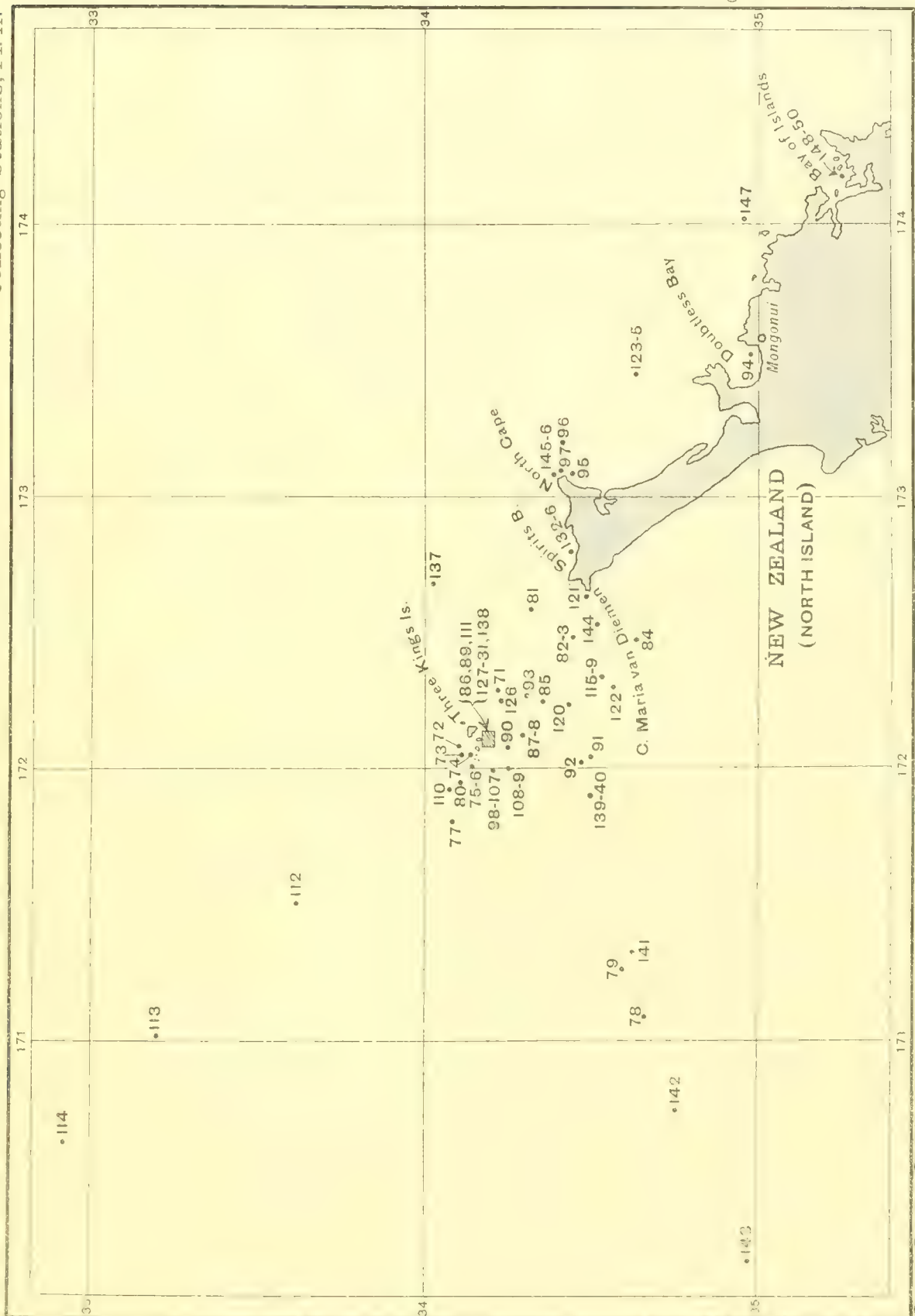
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Map 1.

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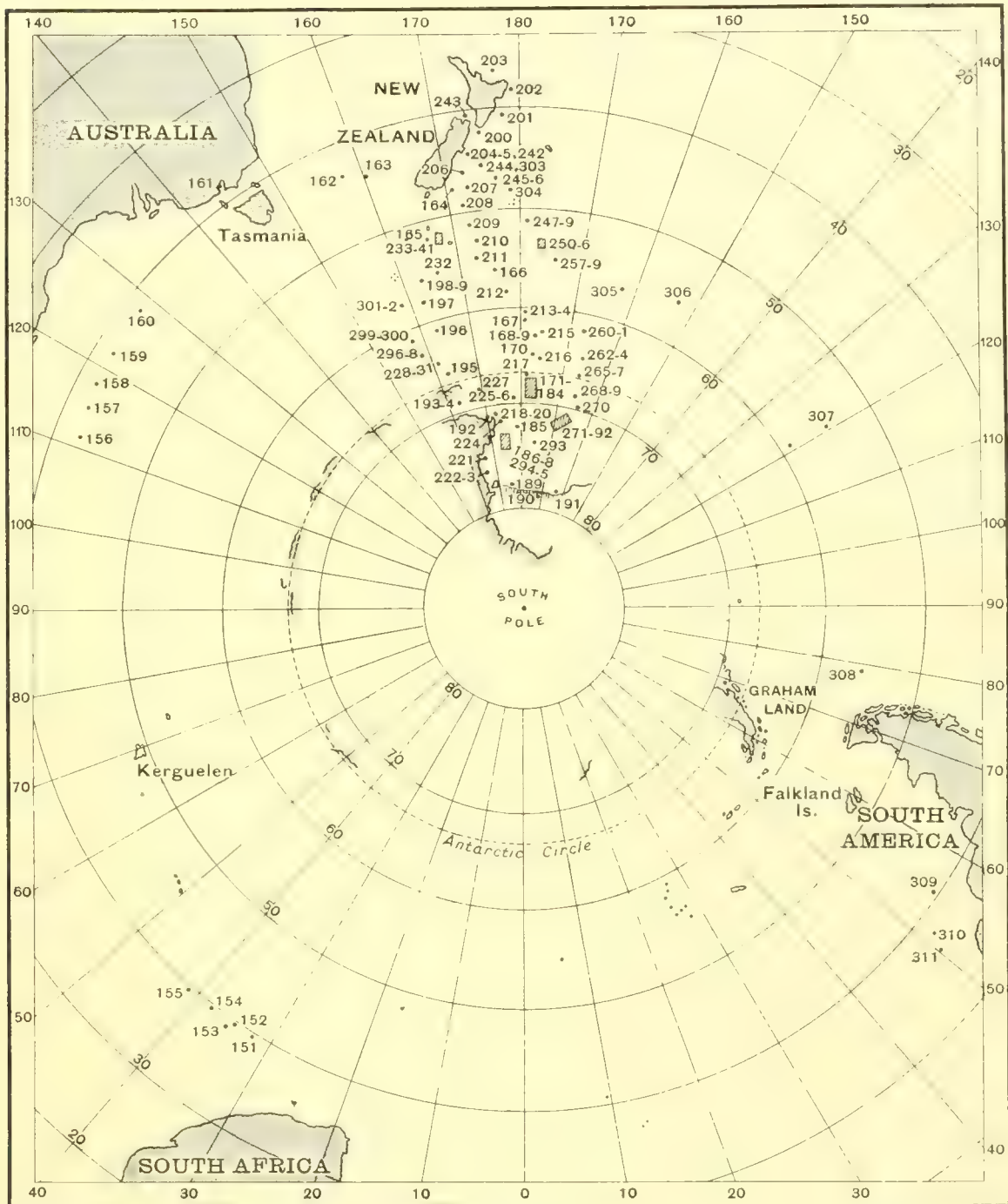




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Map 3.

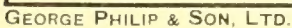
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Map 4.











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